

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9233	hail	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:10
S2	2	"US 20050016213"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/05/02 10:35
S4	67	hail near3 resistant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 12:35
S5	2	"6620509".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/02 12:35
S6	4852	((glycidyl near3 methacrylate) and water and acid and (silane or siloxane) and (methyl near3 methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 09:21
S7	67	hail near3 resistant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 09:21
S8	1	S7 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 09:21
S9	1661	S6 and impact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 09:22
S10	1492	S9 and (glass or window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 09:22
S11	15	((THOMAS) near2 (HASKERL)).INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:01
S12	16	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:02
S13	9	((GHIRMAY) near2 (SEYOU)). INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:01
S14	3	((WOLFGANG) near2 (WIEBEL)).INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:02
S15	24	S11 or S12 or S13 or S14	US-PGPUB; USPAT	OR	ON	2007/06/04 10:08

S16	50	((THOMAS) near2 (HASSKERL)).INV	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/04 10:36
S17	10	("20040191485"   "20040213989"   "20050118434"   "5294472"   "5880235").PN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 11:33
S18	5	("5523168"   "4317862").PN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 11:33
S19	3	"6011116".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/04 15:23
S20	2	"5804655".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/05 09:10
S21	2	"5578677".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/05 09:21
S22	2	"5385988".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/05 09:21
S23	18	((THOMAS) near2 (HASSKERL)).INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:01
S24	11	((GHIFRAY) near2 (SEYOUIM)). INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:01
S25	18	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:02
S26	3	((WOLFGANG) near2 (WIEBEL)).INV.	US-PGPUB; USPAT	OR	ON	2007/08/01 09:02
S27	27	S23 or S24 or S25 or S26	US-PGPUB; USPAT	OR	ON	2007/08/01 09:02
S28	9950	Impact near3 modifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 15:10
S29	1107	S28 same ((methyl near3 methacrylate) or methylmethacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 17:19
S30	5	"5324781"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 17:04
S31	208	"3793402"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 17:35

S32	2	"7173093"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/01 17:35
S33	18	((THOMAS) near2 (HASSKEFL)).INV.	US-PGPUB; USPAT	OR	ON	2008/02/01 15:04
S34	11	((GHIRIMAY) near2 (SEYOUM)). INV.	US-PGPUB; USPAT	OR	ON	2008/02/01 15:04
S35	18	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2008/02/01 15:04
S36	3	((WOLFGANG) near2 (WIEBEL)).INV.	US-PGPUB; USPAT	OR	ON	2008/02/01 15:04
S37	7741	((glycidyl near3 methacrylate) or epoxy) and water and acid and (silane or siloxane) and (methyl near3 methacrylate) and hydrol\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:22
S38	3446	S37 and (\$trimethoxysilane or \$triethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:25
S39	1545	(glycidyl near3 methacrylate) and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:26
S40	1287	S39 and (glass or window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:27
S42	6933	acid same water same (\$trimethoxysilane or \$triethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:36
S43	1702	acid same water same (\$trimethoxysilane or \$triethoxysilane)same hydrol \$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:36
S44	857	S43 and (acrylic or acrylate or methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:37
S45	690	S44 and (glass or window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:37
S46	11	"5385988"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/25 14:53
S47	38	("3451838"   "3642880"   "4024306"   "4173490"   "4275118").PN. OR ("4338375").URPN	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/25 17:02

S48	52	("3575910"   "3666539").PN OR ("4026826").URPN	US-PGPUB; USPAT, USOCR	OR	ON	2009/02/25 17:03
S49	47	S48 and acid	US-PGPUB; USPAT, USOCR	OR	ON	2009/02/25 17:03
S50	33	S49 and hydrol\$6	US-PGPUB; USPAT, USOCR; EPO, JPO; DERWENT	OR	ON	2009/02/25 17:04
S51	218	acid same water same (\$trimethoxysilane or \$triethoxysilane) same hydrol \$6 same complete	US-PGPUB; USPAT, USOCR; EPO, JPO; DERWENT	OR	ON	2009/02/25 17:05
S52	98	S51 and (acrylic or acrylate or methacrylate)	US-PGPUB; USPAT, USOCR; EPO, JPO; DERWENT	OR	ON	2009/02/25 17:06
S53	13	"5419929"	US-PGPUB; USPAT, USOCR; EPO, JPO; DERWENT	OR	ON	2009/02/26 09:09
S54	61	"4026826"	US-PGPUB; USPAT, USOCR; EPO, JPO; DERWENT	OR	ON	2009/02/26 10:21
S55	20	((THOMAS) near2 (HASSKERL)).INV.	US-PGPUB; USPAT	OR	ON	2009/02/26 10:25
S56	14	((GHIRMAY) near2 (SEYOU)). INV.	US-PGPUB; USPAT	OR	ON	2009/02/26 10:25
S57	21	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2009/02/26 10:25
S58	3	((WOLFGANG) near2 (WIEBEL)).INV.	US-PGPUB; USPAT	OR	ON	2009/02/26 10:26
S59	32	S55 or S56 or S57 or S58	US-PGPUB; USPAT	OR	ON	2009/02/26 10:26
S60	20	((THOMAS) near2 (HASSKERL)).INV.	US-PGPUB; USPAT	OR	ON	2009/08/07 09:30
S61	14	((GHIRMAY) near2 (SEYOU)). INV.	US-PGPUB; USPAT	OR	ON	2009/08/07 09:30
S62	21	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2009/08/07 09:30
S63	3	((WOLFGANG) near2 (WIEBEL)).INV.	US-PGPUB; USPAT	OR	ON	2009/08/07 09:30
S64	32	S60 or S61 or S62 or S63	US-PGPUB; USPAT	OR	ON	2009/08/07 09:30
S65	6131	(glycidyl near3 methacrylate) and water and acid and (silane or siloxane) and (methyl near3 methacrylate)	US-PGPUB; USPAT, USOCR; EPO, JPO; DERWENT	OR	ON	2009/08/07 09:37
S66	2848	S65 and hydroly\$4	US-PGPUB; USPAT, USOCR; EPO, JPO; DERWENT	OR	ON	2009/08/07 09:37

S67	320	S65 and ((complete or full or fully) same hydroly\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/08/07 09:37
S68	21	((THOMAS) near2 (HASSKERL)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/06 14:54
S69	15	((GHIRIMAY) near2 (SEYOUM)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/06 14:54
S70	22	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/06 14:54
S71	3	((WOLFGANG) near2 (WIEBEL)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/06 14:54
S72	33	S68 or S69 or S70 or S71	US-PGPUB; USPAT	OR	ON	2010/04/06 14:54
S73	1153	((glycidyl near3 methacrylate) or epoxy) and water and (acid same (silane or siloxane) same hydro(\$6) and (methyl near3 methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/06 15:10
S74	1018	S73 and (glass or window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/06 15:10
S75	205	S73 and (window or glazing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/06 15:11
S76	22	((THOMAS) near2 (HASSKERL)).INV.	US-PGPUB; USPAT	OR	ON	2010/09/13 15:31
S77	16	((GHIRIMAY) near2 (SEYOUM)).INV.	US-PGPUB; USPAT	OR	ON	2010/09/13 15:31
S78	22	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2010/09/13 15:31
S79	3	((WOLFGANG) near2 (WIEBEL)).INV.	US-PGPUB; USPAT	OR	ON	2010/09/13 15:31
S80	35	S76 or S77 or S78 or S79	US-PGPUB; USPAT	OR	ON	2010/09/13 15:31
S81	1197	((glycidyl near3 methacrylate) or epoxy) and water and (acid same (silane or siloxane) same hydro(\$6) and (methyl near3 methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/09/13 16:09
S82	215	S81 and (window or glazing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/09/13 16:09
S83	40835	\$triethoxysilane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:35

S84	31985	S83 and water	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:36
S85	23099	S83 and (water same (used or removed or consume or consumed or disappear or disappeared))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:37
S86	10945	S83 and (water same (removed or consume or consumed or disappear or disappeared))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:38
S87	989	(glycidyl near3 methacrylate) and S86 and (methyl near3 methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:38
S88	3137	S83 same (water same (used or removed or consume or consumed or disappear or disappeared))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:39
S89	124	(glycidyl near3 methacrylate) and S88 and (methyl near3 methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 12:40
S90	6909	S83 and (water near5 (remove or removed or consume or consumed or disappear or disappeared))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 13:28
S91	4665	S83 and (water near5 ( removed or consume or consumed or disappear or disappeared))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 13:29
S92	440	(glycidyl near3 methacrylate) and S91 and (methyl near3 methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 13:29
S93	402	S92 not S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 13:30
S94	374	S93 not dental	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 13:30
S95	2887	silane same (water near5 (remove or removed or consume or consumed or disappear or disappeared))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 14:39
S96	755	S95 and (acrylate or methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 14:40

S97	912	S95 and (acrylate or methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 15:43
S98	157	S97 not S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 15:44
S99	61	"4026826"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/15 15:44
S100	7	silane same (water near5 (disappear or disappered))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:07
S101	42	("3350345").URPN.	USPAT	OR	ON	2011/02/17 11:15
S102	103	silane and (water near5 (disappear or disappered))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:18
S103	48	silane same (water same (disappear or disappered))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:24
S104	504	silane and (water same (disappear or disappered))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:26
S105	401	S104 not S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:27
S106	360	S105 not S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:27
S107	7039	(glycidyl near3 methacrylate) and water and acid and (silane or siloxane) and (methyl near3 methacrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:36
S108	2470	S107 and impact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:36
S109	2229	S108 and (glass or window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:36
S110	5720	S107 and (glass or window)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 11:37

S111	2	"20050016213"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2011/02/17 11:43
S112	4	("2005/0016213").URPN.	USPAT	OR	ON	2011/02/17 11:43
S113	22	((THOMAS) near2 (HASSKERL)).INV.	US-PGPUB; USPAT	OR	ON	2011/02/17 11:46
S114	16	((GHIRMAI) near2 (SEYOUM)). INV.	US-PGPUB; USPAT	OR	ON	2011/02/17 11:46
S115	22	((ROLF) near2 (NEEB)).INV.	US-PGPUB; USPAT	OR	ON	2011/02/17 11:46
S116	3	((WOLFGANG) near2 (WIBEL)).INV.	US-PGPUB; USPAT	OR	ON	2011/02/17 11:46
S117	35	S113 or S114 or S115 or S116	US-PGPUB; USPAT	OR	ON	2011/02/17 11:46
S118	41	"5120811"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 13:22
S119	4416	428/411.1.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:12
S120	1286	S119 and ((alkoxy or hydrolyz \$4 or hydrolysis or silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:13
S121	1086	S120 and water	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:13
S122	358	S119 and ((alkoxy or hydrolyz \$4 or hydrolysis or silane) same water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:17
S123	68914	homogeneous near3 (solution or phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:46
S124	11602	S123 and ((alkoxy or hydrolyz \$4 or hydrolysis or silane) same water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:46
S125	1774	S123 same ((alkoxy or hydrolyz \$4 or hydrolysis or silane) same water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:47
S126	1664	S125 and (acid or ph)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 14:48
S127	0	("2462267").URPN.	USPAT	OR	ON	2011/02/17 14:59



S128	7247	428/447.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 15:21
S129	237	S123 and S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/02/17 15:21

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S130	5711	428/411.1	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/17 17:00
S131	8776	428/447	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/17 17:00
S132	14156	S130 or S131	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/17 17:00
S133	2898	S132 and water.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/17 17:01
S134	563	S133 and (hydrolyz\$4 or hydrolysis).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/17 17:02

2/18/2011 11:13:04 AM

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